



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

ATTY. DOCKET NO.
I-2-0173.5US

SERIAL NO.
10/080,073

APPLICANT
De et al.

FILING DATE
2/21/2002

GROUP
Not Yet Known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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MAY 30 2002

TRANSLATION
Technology Center 2600

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>RTW</i>	AA	Ramjee Prasad, Werner Mohr and Walter Konhauser editors, <i>Third Generation Mobile Communication Systems</i> , Artech House, Boston, 2000.
<i>RTW</i>	AB	Anja Klein, Ghassan Kawas Kahle and Paul Walter Baier, "Zero Forcing and Minimum Mean-Square Error Equalization for Multiuser Detection in Code-Division Multiple-Access Channels", <i>IEEE Trans. on Vehicular Technology</i> , Vol.45, No. 2, pp. 276-287, May 1996.
<i>RTW</i>	AC	Anja Klein, "Data Detection Algorithms Specially Designed for the Downlink of CDMA Mobile Radio Systems", <i>IEEE 47th Vehicular Technology Conference</i> , pp. 203-207, May 1997.
<i>RTW</i>	AD	H.R. Karimi and N.W. Anderson, "A Novel and Efficient Solution to Block-Based Joint-Detection using Approximate Cholesky Factorization", <i>Personal, Indoor and Mobile Communications PIMRC' 98</i> , Conference Proceedings, Vol. 3, pp. 1340-1345, Sept. 1998, Boston, MA.
<i>RTW</i>	AE	ETSI STC SMG2 Layer 1 Expert Group, "Low Cost MMSE-BLE-SD Algorithm for UTRA TDD Mode Downline", Tdoc SMG2 UMTS L1, Helsinki, Finland, Sept. 1998.
<i>RTW</i>	AF	3G TS 25.102 V3.4.0, 2000-10, "UTRA (TDD) Radio Transmission and Reception", 3rd Generation Partnership Project, Technical Specification Group RAN WG4, Annex B., pp. 37.

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Robert W. Wilson

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1/24/06

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Sheet 1 of 1

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ATTY. DOCKET NO.
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2681**

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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<i>RNN</i>	AG	Benvenuto N. et al. "Joint Detection With Low Computational Complexity For Hybrid TD-CDMA Systems" VTC 1999-Fall. IEEE VTS 50th. Vehicular Technology Conference. Gateway to the 21st Century Communications Village. Amsterdam, Sept. 19-22, 1999, IEEE Vehicular Technology Conference, NY
<i>MW</i>	AH	Vandaele P. et al. "Recursive Total Least Squares Algorithm for Single-User Blind Channel Equalisation: IEE Proceedings: Vision, Image and Signal Processing, Institution of Electrical Engineers, FB, Vol 147, No. 3, 23 June 2000

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Robert W. Wilson

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Sheet 1 of 1

FORM PTO-1449	ATTY. DOCKET NO. I-2-0173.5US	SERIAL NO. 10/080,073
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	APPLICANT De et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE 2/21/2002	GROUP 2681
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AG	<p>Weidong Yang et al., "Fast Joint Detection with Cyclic Reduction Exploiting Displacement Structures", <u>2000 IEEE International Conference on Acoustics, Speech, and Signal Processing</u>, Istanbul, Turkey, 5-9 June. Proceedings (Cat. No 00CH37100),</p>
AH	<p>Proakis John G., "Digital Signal Processing", Macmillan Publishing Company, New York, NY, 1992, pg. 835, para. 11.3.1, page 890, para. 12.3.2</p>
AI	<p>Vollmer et al., "Joint-Detection Using Fast Fourier Transforms in TD-CDMA based Mobile Radio Systems", International Annual Conference of ICT, 1999, pages I-7 page 1, para. I, page 2, para. II, page 3, para III, page 4, para IV.</p>
AJ	<p>Pigeonnat Y., "Alternative Solutions for Joint Detection in TD/CDMA Multiple Access Scheme for UMTS", <u>IEEE Signal Processing Workshop on Signal Processing Advances in Wireless Communications</u>, May 9, 1999, pages 329-332 page 329, para. 2.</p>

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Robert W. Wilcox

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 DEC 27 2005 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	FORM PTO-1449
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	
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ATTY. DOCKET NO. I-2-0173.5US	SERIAL NO. 10/080,073
APPLICANT De et al.	
FILING DATE February 21, 2002	GROUP 2687 2661

U.S. PATENT DOCUMENTS

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<i>xx</i>		<p>Ramjee Prasad, Werner Mohr and Walter Konhauser editors, <i>Third Generation Mobile Communication Systems</i>, Artech House, Boston, 2000.</p>
<i>J</i>		<p>Anja Klein, Ghassan Kawas Kalleh and Paul Walter Baier, "Zero Forcing and Minimum Mean-Square Error Equalization for Multiuser Detection in Code-Division Multiple-Access Channels", <i>IEEE Trans. on Vehicular Technology</i>, Vol.45, No. 2, pp. 276-287, May 1996.</p>
<i>J</i>		<p>Naja Klein, "Data Detection Algorithms Specially Designed for the Downlink of CDMA Mobile Radio Systems" <i>IEEE 47th Vehicular Technology Conference</i>, pp. 203-207, May 1997.</p>

EXAMINER <i>Robert M. Wilson</i>	DATE CONSIDERED 1/24/96
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		APPLICANT De et al.	
		FILING DATE February 21, 2002	GROUP 2667 266
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		H.R. Karimi and N.W. Anderson, "A Novel and Efficient Solution to Block-Based Joint-Detection using Approximate Cholesky Factorization", <i>Personal, Indoor and Mobile Communications PIMRC'98</i> , Conference Proceedings, Vol. 3, pp. 1340-1345, Sept. 1998, Boston, MA.	
		ETSI STC SMG2 Layer 1 Expert Group, "Low Cost MMSE-BLE-SD Algorithm for UTRA TDD Mode Downline", Tdoc SMG2 UMTS L1, Helsinki, Finland, Sept. 1998.	
		3G TS 25.102 V3.4.0, 2000-10, "UTRA (TDD) Radio Transmission and Reception", 3rd Generation Partnership Project, Technical Specification Group RAN WG4, Annex B., pp. 37.	
		Lang Tong; Guanghan xu; Kailath T: "Blind identification and equalization based on second -order statistics: a time domain approach", IEEE Trans. Inf. Theory (USA), IEEE Transactions on Information Theory, March 1994, USA, ISSN 0018-9448, VOL-40, NR 2, pages 340-349	
		Benvenuto N. et al. "Joint Detection With Low Computational Complexity For Hybrid TD-CDMA Systems" VTC 1999-Fall. IEEE VTS 50th. Vehicular Technology Conference. Gateway to the 21st Century Communications Village. Amsterdam, Sept. 19-22, 1999, IEEE Vehicular Technology Conference, NY	
		Vandaele P. et al. "Recursive Total Least Squares Algorithm for Single-User Blind Channel Equalisation: IEE Proceedings: Vision, Image and Signal Processing, Institution of Electrical Engineers, FB, Vol 147, No. 3, 23 June 2000	
		Yang et.al. "Fast Joint Detection with Cyclic Reduction Exploiting Displacement Structures", 2000 IEEE International Conference on Acoustics, Speech and Signal Processing, Istanbul, Turkey, June 2000	
		Proakis et al., "Digital Signal Processing", Macmillan Publishing Company, New York, NY, 1992, p. 835, para. 11.3.1, p. 890, para. 12.3.2	
		Vollmer et al., "Joint-Detection Using Fast Fourier Transforms in TD-CDMA-Based Mobile Radio Systems". International Annual Conference of ICT, 1999, pp. 1-7, p. 1, para. 1, p. 2, para. II, p. 3, para. III, p. 4, para. IV.	
		Pigeonnat, "Alternative Solutions for Joint Detection in TD/CDMA Multiple Access Scheme for UMTS", IEEE Signal Processing Workshop on Signal Processing Advances in Wireless Communications, May 1999, pp. 329-332, p. 329, para. 2.	

EXAMINER <i>Robert F. Wilson</i>	DATE CONSIDERED 1/24/06
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